FOIL when $A \neq 1$ SLTN (version 103)

FOIL the expressions shown below:

1. $(-3x - 2)(5x + 7)$

$$(-3)(5)x^2 + (-3)(7)x + (-2)(5)x + (-2)(7)$$
$$(-15)x^2 + (-21)x + (-10)x + (-14)$$
$$-15x^2 - 31x - 14$$

2. $(4x + 2)(6x + 5)$

$$(4)(6)x^2 + (4)(5)x + (2)(6)x + (2)(5)$$
$$(24)x^2 + (20)x + (12)x + (10)$$
$$24x^2 + 32x + 10$$

3. $(8x - 8)(9x - 5)$

$$(8)(9)x^2 + (8)(-5)x + (-8)(9)x + (-8)(-5)$$
$$(72)x^2 + (-40)x + (-72)x + (40)$$
$$72x^2 - 112x + 40$$

4. $(-2x + 8)(5x + 9)$

$$(-2)(5)x^2 + (-2)(9)x + (8)(5)x + (8)(9)$$
$$(-10)x^2 + (-18)x + (40)x + (72)$$
$$-10x^2 + 22x + 72$$

5. $(-5x + 5)(9x - 8)$

$$(-5)(9)x^2 + (-5)(-8)x + (5)(9)x + (5)(-8)$$
$$(-45)x^2 + (40)x + (45)x + (-40)$$
$$-45x^2 + 85x - 40$$

FOIL the expressions shown below:

6. $(7x + 8)(-8x + 9)$

$$(7)(-8)x^2 + (7)(9)x + (8)(-8)x + (8)(9)$$
$$(-56)x^2 + (63)x + (-64)x + (72)$$
$$-56x^2 - x + 72$$

7. $(-3x - 2)(-3x - 4)$

$$(-3)(-3)x^2 + (-3)(-4)x + (-2)(-3)x + (-2)(-4)$$
$$(9)x^2 + (12)x + (6)x + (8)$$
$$9x^2 + 18x + 8$$

8. $(9x - 9)(-5x - 8)$

$$(9)(-5)x^2 + (9)(-8)x + (-9)(-5)x + (-9)(-8)$$
$$(-45)x^2 + (-72)x + (45)x + (72)$$
$$-45x^2 - 27x + 72$$

9. $(-6x - 3)(4x - 4)$

$$(-6)(4)x^2 + (-6)(-4)x + (-3)(4)x + (-3)(-4)$$
$$(-24)x^2 + (24)x + (-12)x + (12)$$
$$-24x^2 + 12x + 12$$

10. $(-7x - 8)(-3x + 3)$

$$(-7)(-3)x^2 + (-7)(3)x + (-8)(-3)x + (-8)(3)$$
$$(21)x^2 + (-21)x + (24)x + (-24)$$
$$21x^2 + 3x - 24$$